

Claims

1. Method for driving an optical disk drive in a power save mode having the steps of:

- 5 - receiving (10) an indication to start power save mode
- turning off (11) a servo driver (2) of the optical disk drive
- after that, turning off (12) a photodetector (4) of the optical disk drive
- awaiting (13) an indication to stop power save mode
- 10 - turning on (14) said photodetector (4)
- after that, turning on (15) said servo driver (2).

2. Method according to claim 1, **wherein** the step of turning off (11) the servo driver (2) of the optical disk drive includes
15 disabling the driving signals from the servo driver (2) through a gate signal to the servo driver (2).

3. Method according to claim 1 or 2, **wherein** the steps of turning off/on (12, 14) the photodetector (4) are performed by
20 turning off/on the power supply of the photodetector (4).

4. Method according to claim 1 or 2, **wherein** the steps of turning off/on (12, 14) the photodetector (4) are performed by
turning off/on a light source generating light to be detected
25 by said photodetector (4).

5. Optical disk drive with a pickup and a servo controller (3), wherein the pickup is equipped with a photodetector (4) and a servo actuator and wherein the servo controller (3) generates a
30 control signal in response to photodetector signals, said control signal being submitted to the servo actuator via a servo driver (2), **characterized** in that the optical disk drive is further equipped with a power save controller for sequentially turning off (11) the servo driver (2) followed by
35 turning off (12) the photodetector (4), and for turning on (14,

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15) the photodetector (4) and the servo driver (2) in the reverse order.

6. Optical disk drive according to claim 5, **wherein** the turning
5 off (11) of the servo driver (2) of the optical disk drive is performed by disabling the driving signals from the servo driver (2) through a gate signal to the servo driver (2).

7. Optical disk drive according to claim 5 or 6, **wherein** the
10 turning off/on (12, 14) of the photodetector (4) is performed by turning off/on the power supply of the photodetector (4).

8. Optical disk drive according to claim 5 or 6, **wherein** the
turning off/on (12, 14) of the photodetector (4) is performed
15 by turning off/on a light source generating light to be detected by said photodetector (4).